

**TASK ORDER GSQ0015AJ0098**  
**Modification PO17**  
**March 14, 2018**

**Systems Engineering and Technical Assistance  
(SETA)**

**In support of:**

***U.S. Army Program Executive Office for  
Command, Control, Communications –  
Tactical (PEO C3T)  
Project Lead Network Enablers (PL Net E)***

**Issued to:  
Booz Allen Hamilton**

**Issued by:  
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**FEDSIM Project Number 14050ARM**

## **C.1 BACKGROUND**

On February 10, 2014, Project Director Network Enablers (PL Net E) was established as a subordinate organization under the U.S. Army Program Executive Office (PEO) Command, Control and Communications – Tactical PEO (C3T).

The newly established PL Net E was assigned the mission to provide the products and services that serve as critical enablers for the Army's tactical communications and data network. Presently PL Net E consists of four functional divisions and six Product Director (PdL) organizations as follows:

- a. Business Management Division (BMD)
- b. Operations Support Division (OSD)
- c. Technical Management Division (TMD)
- d. Readiness Management Division (RMD)
- e. Product Director, Common Hardware Systems (PdL CHS)
- f. Product Director, COMSEC Cryptographic Systems (COMSEC)
- g. Product Director, Initialization (PdLTNIC)
- h. Product Director, Key Management (COMSEC)
- i. Product Director, Tactical Network Architecture & Configuration - Current (TNIC)
- j. Product Director, Host Base Security Services (PdL HBSS)

### **C.1.1 PURPOSE**

The purpose of this task order (TO) is to provide System Engineering and Technical Assistance (SETA) services to PL Net E that are new requirements and to combine currently dispersed requirements on several TOs that support the various enabling products and capabilities provided by PL Net E into one service support effort. The strategy of combining all existing and new SETA support requirements under a single TO will allow PL Net E to standardize processes, reduce overhead, eliminate redundancies, improve security, and increase efficiency.

### **C.1.2 AGENCY MISSION**

PL Net E provides products and services that serve as critical enablers for the Army's tactical communications and data network capabilities. These products and capabilities ensure the security and fidelity of the information transmitted across the network; simplifies warfighter and first responder network tasks and operations; and streamlines the delivery of hardware and software solutions to meet changing technology needs.

Additionally, PL Net E's mission is to provide a common approach to resource the various SETA requirements into a more efficient and focused venue to enable PL Net E products, while focused on the simplification of data and tactical C4ISR network infrastructures. To achieve this, the PL Net E partners with all C4ISR product teams to create and apply common standards aimed at delivering the most intuitive and efficient solutions for the user.

## **C.2 SCOPE**

The scope of this TO includes program management, asset management and logistics, information security, systems engineering and network support to include analysis, operations, software engineering from concept to delivery to customers in a total system environment. The scope includes network management, training and technical services in support of PL Net E products and programs and current and future Command, Control, Communications, Computers,

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Intelligence, Surveillance, and Reconnaissance (C4ISR) tactical network infrastructures. The scope of this TO also includes technical support for military exercises, experiments, and demonstrations, and technical support (not sales) for Foreign Military Sales (FMS).

The contractor shall plan, test, configure, produce, field, integrate, install, secure, manage, upgrade, and support multiple products, and components critical for the Army's tactical communications and data network capabilities that are supported by the C3T PL Net E organization.

### **C.3 CURRENT TECHNICAL ENVIRONMENT**

PL Net E supports military commanders and forces for an array of C4ISR Tactical Network Infrastructure capabilities including network encryption, network management, security management, and component upgrades of hardware and software. This effort incorporates SETA support for all PL Net E projects and programs. This effort provides hardware, software, network engineering support for the planning of research, design, execution, and coordination for efforts including C4ISR missions and equipment, system of systems network interoperability, system architectures, platform system integration and system security.

The following provides a description of each of the organizations that comprise the PL Net E technical environment:

**PdL CHS** – Provides the procurement of DoD wide COTS hardware and common software for a multitude of DoD and special users. The list of Tactical Network Infrastructure equipment varies as much as the number of different customers that CHS supports. CHS provides engineering support to its customers by assessing the customer requirements and engineering solutions to integrate those specific needs into the COTS hardware, systems and/or platforms. CHS coordinates the integration of new technologies into the customer's architectures. CHS provides to its customers procurement of products and software, configuration and system initialization, end of life (EOL) management and sustainment planning for all tactical IT systems.

PdL CHS provides approximately 80 technical insertions for CHS customers and plans and processes 100 to 120 delivery orders per year. PdL CHS provides systems engineering and programmatic support for the various delivery orders as well as the administration and technical support to its customers to fine tune specific customer orders for hardware, systems and or platforms.

**TNIC** – Assumes the lead role in coordinating all System of Systems interoperability for the Tactical Army. TNIC integrates the current force network and ensures interoperability of networking products and solutions for the Tactical Army through the management of all Public and Private IP Addressing, Telephony Numbering Plans, network device configurations and Systems of Systems engineering support. TNIC has delivered approximately 300 network configurations and over 200 IP sheets on a yearly basis.

**COMSEC** – COMSEC is a relatively new organization that procures, tests, and fields COMSEC solutions to secure the Army's information infrastructure against cyber threats. COMSEC provides ancillary equipment necessary to forge a secure tactical network. COMSEC provides network encryption devices that allow secure communications across the network and between other systems. COMSEC procures tests, integrates, fields, and sustains joint interoperable

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cryptographic products. Additionally, COMSEC provides engineering and software support in the development of the next generation of encryption protocols.

COMSEC is systematically phasing in its analysis of requirements and effort and anticipates being at full capacity by FY 17 utilizing a team of testers, fielders, trainers, and logisticians to test, field, and train solutions identified as resolutions to embedded cryptographic obsolescence. COMSEC anticipates having to provide as an example, solutions and refresh for various radios that will require next generation upgrades. The initial systems being refreshed include, but are not limited to the following: Ultra High Frequency Satellite Communications (UHF SATCOM), Single-Channel Ground-Air Radio System (SINGARS), Joint Tactical Radio System (JTRS) Software Defined Radios for legacy waveforms, and High Frequency (HF). Additional analysis of equipment and mission requirements may result in other families of radio systems that shall require similar upgrades.

**COMSEC** – Provides key management solutions for the security of DoD networks. KM provides key management solutions with planning efficient, intuitive and seamless key distribution worldwide. KM automates the functions of COMSEC key management, control, and distribution, and assists development of Army Key management and acquisition policies, regulations, and instructions. KM provides for the support to the NSA's Key Management Infrastructure which provides a single, automated, network-accessible, electronic-based key management with a predominantly electronic cryptographic product delivery infrastructure.

COMSEC will provide the oversight and administration for full lifecycle support which includes Research and Development, Procurement, Fielding, Sustainment, and Demilitarization.

COMSEC equipment portfolio currently includes the following product lines: Automated Communications Engineering Software/Joint Automated COMSEC System (ACES/JACS), Local COMSEC Management Software (LCMS), Joint-Tactical Network, Environment Network Operations (NETOPS) Tool Kit (J-TNT), Simple Key Loader (SKL), Management Client Nodes (MGC). COMSEC anticipates future additions to their family of product lines.

**PdLTNIC** – Provides network data products which are a collection of mission data required to initialize Mission Command and other Army C4ISR systems. PdLTNIC provides the data products and information that is required to enable end-to-end network connectivity and interoperability across the Tactical Internet (TI). PdLTNIC supports the Tactical Operations Center (TOC), Army Battle Command Systems (ABCS), and network initialization. Additionally, PdLTNIC supports the data products necessary to support the Common Operating Picture (COP)/Situational Awareness and Variable Message Format (VMF)/United States Message Text Format (USMTF), command and control messages for Army Battle.

PdLTNIC produces approximately 120 data products per year including coordination with other organizations, configuration management, quality control, packaging, data base maintenance, software tool maintenance and delivery of units. PdLTNIC provides world-wide fielding of ITS and WIT to approximately 72 units per year, System Architecture/data product training to approx 56 soldiers per year, 46 USF/UEWGW conferences, 15 CTC rotations (NTC\_JRTC\_JMRC), and supports 71 Mission Command System Integration events per year. PdLTNIC conducts six major exercises, e.g., Korea, Warfighter EECF per year, and NIE twice per year. PdLTNIC provides 24/7 "on call" support for the BGNOC and customer support for approximately 80 trouble tickets per year. PdLTNIC produces and updates two training manuals per year. Historically,

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PdLTNIC has provided on-site support to APG, Fort Lewis, Fort Bragg, Fort Hood, and Fort Bliss.

**PdL HBSS** – Under this TO PdL Host Based Security System (HBSS) will be responsible for providing support to internal and external engineering and security policy development, meetings, configuration management, publish Program of Records (PoR) HBSS policies world-wide. PdL HBSS coordinates with required DoD and Army agencies to facilitate the development and maintenance of set HBSS PoR Policy Standards to monitor and track HBSS compliancy for PoR systems and non-PoR systems. PdL HBSS performs operations and maintenance (O&M) on hosts with their portions of the HBSS systems.

Currently HBSS provides support to 198 systems within PEO C3T, PEO Missiles and Space, PEO IEW&S, PEO EIS, PEO STRI, Joint PEO Chemical and Biological Defense, PEO Joint Tactical Radio Systems, and PEO Combat Support & Combat Service Support, with additional systems in the future.

HBSS is a flexible, commercial off-the-shelf (COTS) / Government off-the-shelf (GOTS)-based suite of security applications designed to monitor, detect, counter, report, and defend against known cyber threats to DoD networks. Additionally, FORSCOM has mandated that all tactical systems world-wide shall be HBSS compliant in order to operate on the tactical network.

**OSD** – Operations provides support to all PL Net E divisions and Product Offices by primarily providing knowledge management, SharePoint upgrades and management, and developing and maintaining the Integrated Master Schedule (IMS). OSD serves as the PL Net E lead for Remedy and its administration, provides representation for PL Net E in MILTECHMIRARS, supports the Information Assurance (IA) plans and execution, which includes providing ATO data, CONs, IAVAs and DIACAP/RMF requirements and processes. OPS supports PL Net E in the following areas: security, facilities management, property book management, information technologies, information assurance, knowledge management, business automation, and administration support. .

**TMD** – Provide the leadership and coordination for the development, promotion, improvement, test and implementation of PL Net E wide variety of products and services covering systems engineering processes and procedures. Recommend cost effective technical solutions for Army transformation initiatives by effectively managing the overall System of Systems (SoS) Engineering, Enterprise, and Integration efforts.

Key areas include:

- a. Systems Integration – Provide the technical guidance to assigned Product Directors (Key Management, COMSEC Crypto Systems, Common Hardware Systems, Initialization, and Tactical Network Architecture Configurations – Current) for requirements generation, development, integration and test.
- b. Platform PM Integration – Advise Platform PMs of available PL Net E products and services so that they can effectively deliver a fully functional system.
- c. Customer service/support – Coordinate with our stakeholders, such as NSA, G6, Platform PMs, unit G/S 6's, COMSEC Custodians, and Soldiers, as we verify/certify our products by participating in Network Integration Exercise's (NIE), and other verification and certification processes.

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- d. Support the elimination of capability gaps by coordinating with TRADOC Capability Manager (TCM) to determine user requirements to assist Industry in development of next generation of equipment.

**RMD** - Oversees logistics, policy and sustainment for PL Net E and its internal organizations. RMD coordinates and prioritizes the planning, training and fielding for PL Net E products in conjunction with the Department of the Army (DA) and the Army Forces Command (FORSCOM) staff. RMD also provides field support for each required product in to provide a synchronized, coordinated fielding effort that logically ties into the training calendar.

**BMD** – Provides business management services to support the PL Net E PdLs by providing specialized expertise that includes program, budget and cost analysis, acquisition, finance, and accounting services. BMD provides recommendations for policies, regulations, and procedures applicable to each PdL. BMD also provides budgetary planning, monitoring, and cost estimating services for long and short range planning for PL Net E programs and products. BMD provides input to various PEO C3T and DoD required suspense's on a continuous basis.

### **C.4 OBJECTIVE**

The objective of this TO is to provide the support needed to assist the PL Net E programs to successfully achieve their program milestones and mission needs in an effective and efficient manner. This requirements included in this SOW will enable PL Net E to provide technical support to the Common Operating Environment (COE), Command Post Computing Environment (CP CE), Mounted Computing Environment, Handheld Computing Environment (HCE), and other computing environments.

### **C.5 TASKS**

#### **C.5.1 TASK 1 – ACCOUNTING FOR CONTRACT SERVICES**

The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collections site where the contractor shall report ALL contractor manpower (including subcontractor manpower) required for performance of this contract. The contractor is required to completely fill in all the information in the format using the following web address: <https://cmra.army.mil>. The required information includes:

- a. Contracting Office, Contracting Officer, Contracting Officer Representative.
- b. Contract number, including Task Order number.
- c. Beginning and ending dates covered by reporting period.
- d. Contractor name, address, phone number, and e-mail address, and identity of contractor employee entering data.
- e. Estimated direct labor hours (including subcontractors).
- f. Estimated direct labor dollars paid this reporting period (including subcontractors).
- g. Total payments (including subcontractors).
- h. Predominant Federal Service Code (FSC) reflecting services provided by the contractor (separate predominant FSC for each subcontractor if different).

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- i. Estimated data collection costs.
- j. Organizational title associated with the Unit Identification Code (UIC) for the Army Requiring Activity (the Army requiring Activity is responsible for providing the contractor with its UIC for the purposes of reporting this information).
- k. Locations where contractor and subcontractor perform the work (specified by zip code in the United States (U.S.) and nearest city and country (when in overseas locations) using standardized nomenclature on website).
- l. Presence of deployment or contingency contract language.
- m. Number of contractor and subcontractor employees deployed in theater this reporting period (by country).

As part of its submission, the contractor shall also provide the estimated total cost incurred to comply with this reporting requirement. Reporting period will be the period of performance, NTE 12 months, ending September 30 of each Government fiscal year and must be reported by October 31 of each calendar year or at the end of the contract, whichever comes first. Contractors may use Extensible Markup Language (XML) data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a contractor's systems to the secure web site without the need for separate data entries for each required data element at the website. The specific formats for the XML direct transfer may be downloaded from the web.

### **C.5.2 TASK 2 – PROVIDE TASK ORDER PROGRAM MANAGEMENT (PM) SUPPORT**

The contractor shall provide program management support for this TO. This includes the management and oversight of all activities performed by contractor personnel, including subcontractors, to satisfy the requirements identified in this SOW. The contractor shall identify a Program Manager (PM) by name that shall provide management, direction, administration, quality control, and leadership of the execution of this TO. The contractor shall schedule meetings and provide deliverables in accordance with Section F.

The contractor's PM will be the focal point for all issues in the program and keep the FEDSIM CO and COR, as well as the PL Net E Technical Point of Contact (TPOC) fully informed on PL Net E service and support status both verbally and in writing.

#### **C.5.2.1 SUBTASK 1 – COORDINATE A PROJECT KICK-OFF MEETING**

The contractor shall schedule, coordinate, and host a Project Kick-Off Meeting at the location approved by the Government no later than five workdays after TO award. The meeting will provide an introduction between the contractor personnel and Government personnel who will be involved with the TO. The meeting will provide the opportunity to discuss technical, management, security issues, travel authorization and reporting procedures. At a minimum, the attendees shall include vital contractor personnel, representatives from the directorates, other relevant Government personnel, and the FEDSIM COR. The contractor shall provide the following at the Project Kick-Off meeting:

- a. Updated Transition-In Plan
- b. Draft Project Management Plan
- c. Final Quality Management Plan (QMP)

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### **C.5.2.2 SUBTASK 2 – PREPARE A MONTHLY STATUS REPORT (MSR)**

The contractor shall develop and provide an MSR (Section J, Attachment C) using Microsoft (MS) Office Suite applications, by the tenth of each month via electronic mail to the TPOC and the COR. The MSR shall include the following:

- a. Activities during reporting period, by task (include: on-going activities, new activities, activities completed; progress to date on all above mentioned activities). Start each section with a brief description of the task.
- b. Problems and corrective actions taken. Also include issues or concerns and proposed resolutions to address them.
- c. Personnel gains, losses, and status (security clearance, etc.).
- d. Government actions required.
- e. Schedule (show major tasks, milestones, and deliverables; planned and actual start and completion dates for each).
- f. Summary of trips taken, conferences attended, etc. (attach Trip Reports to the MSR for the reporting period).
- g. Accumulated invoiced cost for each CLIN up to the previous month.
- h. Projected cost of each CLIN for the current month.
- i. Monthly Report for cost expenditures should include percent disbursed to date and average monthly burn rate.
- j. Subcontracting utilization to include tracking of small business goals.
- k. Spend Plan, in MS Excel to track funding in relationship to budget.

### **C.5.2.3 SUBTASK 3 – CONVENE TECHNICAL STATUS MEETINGS**

The contractor PM shall convene a monthly Technical Status Meeting with the PL Net E TPOC, COR, and other Government stakeholders. The purpose of this meeting is to ensure all stakeholders are informed of the monthly activities and MSR, provide opportunities to identify other activities and establish priorities, and coordinate resolution of identified problems or opportunities. The contractor PM shall provide minutes of these meetings including attendance, issues discussed, decisions made, and action items assigned, to the COR within five workdays following the meeting.

### **C.5.2.4 SUBTASK 4 – PREPARE A PROJECT MANAGEMENT PLAN (PMP)**

The contractor shall document the approach, processes, procedures, and resources pertaining to the execution of service and support requirements under this TO in a PMP. The PMP shall:

- a. Describe the proposed management approach
- b. Contain detailed Standard Operating Procedures (SOPs) for all tasks
- c. Include milestones, tasks, and subtasks required in this TO
- d. Provide for an overall Work Breakdown Structure (WBS) and associated responsibilities and partnerships between or among Government organizations
- e. Include the contractor's QMP

The PMP shall be submitted to the Government at or before the Project Kick-Off Meeting for review and approval, and updated as stated in C.5.2.5.



**C.5.2.5 SUBTASK 5 – UPDATE THE PMP**

The PMP is an evolutionary document and shall be updated as changes dictate and, as a minimum, updated annually. The contractor shall work from the latest Government-approved version of the PMP.

**C.5.2.6 SUBTASK 6 – PREPARE TRIP REPORTS**

The Government will identify the need for a Trip Report when the Travel Authorization Request (Section J, Attachment E) is submitted. When a Trip Report is required the contractor shall submit a completed report no later than ten business days upon completion of the travel. At a minimum the contractor shall provide a summary of all travel including,, the name of the employee(s), purpose of the trip, location of travel, duration of trip, costs incurred and point-of-contact (POC) at travel location. If a Trip Report is required, the contractor shall provide the Trip Report to the PL Net E TPOC and FEDSIM COR within 10 business days upon trip completion.

**C.5.2.7 SUBTASK 7 – UPDATE QUALITY MANAGEMENT PLAN (QMP)**

The contractor shall update the QMP submitted with their proposal and provide a final QMP. The contractor shall periodically update the QMP, as changes in program processes are identified.

**C.5.2.8 SUBTASK 8 – IMPLEMENT TRANSITION-IN PLAN**

The contractor shall provide transition services as described in the contractor's Transition-In Plan submitted with its written technical proposal. There will be two transition-in periods beginning in June 2015 and November 2015 which coincide with the expiration of existing contracts. Transition-in periods shall not exceed 60 calendar days from the start date of each transition-in period. Specific detailed transition-in guidance will be provided by the Government prior to the Project Kick-Off Meeting. The contractor shall ensure there are no service disruptions to vital Government business and no service degradation during and after the transition. The contractor shall provide updates and deliver a final Transition-In Plan to the Government NLT five business days after the Project Kick-Off Meeting. The Government will assign a transition manager to coordinate activities between Government entities and the incoming and outgoing contractors.

**C.5.2.9 SUBTASK 9 – PREPARE AND IMPLEMENT TRANSITION-OUT PLAN**

The contractor shall prepare and deliver to the Government a Transition-Out Plan that facilitates the accomplishment of a low risk transition from the incumbent to an incoming contractor at the expiration of the TO. The contractor shall provide a Transition-Out Plan NLT 30 calendar days prior to beginning of the transition-out period. The transition-out period is anticipated to begin 90 calendar days prior to expiration of the TO. The contractor shall identify how it will coordinate with the incoming contractor and Government personnel to transfer knowledge and accomplish the following in accordance with a 90 calendar day transition-out period:

- a. Project, Technical and Operational processes
- b. Government resources needed as well as Contractor Points of contact
- c. Location and listing of all current technical, operational and project management documentation
- d. Status of ongoing technical and operational initiatives
- e. Appropriate contractor to contractor coordination to ensure a seamless transition

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- f. Transition of Key and Non-Key Personnel responsibilities, to include the identification of schedules and milestones
- g. Identify actions required of the Government
- h. Establish and maintain effective communication with the incoming contractor/Government personnel for the period of the 90 day transition via weekly status meetings
- i. Identification and transfer of Government owned HW/SW currently being utilized
- j. Incumbent's commitment and plan to use current personnel to enable institutional knowledge transfer to include how it proposes, and the schedule for, to ramp down both Key and Non-Key personnel throughout the 90 calendar day transition-out period.
- k. Identification of Transition Risks and associated mitigation strategies to ensure WBSCM continuity of operations.
- l. Transfer of Data Rights, and any Source Code developed under this TO and documentation

The contractor shall also establish and maintain effective communication with the incoming contractor/Government personnel during the transition out period via weekly status meetings.

### **C.5.3 TASK 3 – PROVIDE PMO PROGRAM MANAGEMENT SUPPORT**

The contractor shall provide program management support for PL Net E Project Management Office (PMO) which supports all organizations and elements of PL Net E's IT mission.

#### **C.5.3.1 SUBTASK 1 – PROVIDE BUSINESS PROCESS IMPROVEMENT SUPPORT**

The contractor shall provide continuous support of internal and existing business processes to PL Net E. The purpose of this support is to ensure the PL Net E operates as efficiently and effectively as possible. This support shall include the following:

- a. Study of business organizational models used in private industry and other government agencies with pros and cons relative to the current application
- b. Identify lessons learned from previous or current application of business unit practices within the current organizational models, communication methods, and marketing techniques
- c. Identify tools and technologies to further business goals
- d. Study current business/defense environment
- e. Determine methods for linking business models to operations imperatives
- f. Develop methods and criteria to measure performance
- g. Produce and submit White Papers that document these business process improvement efforts and provide recommendations
- h. Acquire automated tools authorized by the FEDSIM COR under CLIN X003
- i. Produce Implementation Plans and schedules for approved recommendations.

The contractor shall propose a schedule for these business process improvement studies annually and include the schedule in the contractor-maintained PMP.

#### **C.5.3.2 SUBTASK 2 – PROVIDE PROGRAM ADMINISTRATION SUPPORT**

The contractor shall provide the following program administration support to the PL Net E PMO, which supports all organizations and product director (PdL) organizations assigned to plan and

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implement PL Net E's IT mission world-wide. The contractor shall have working knowledge of, and utilize various Government budget and administrative systems and standard commercial systems such as Microsoft Word, Excel, Access, PowerPoint, Project, Outlook, Defense Property Accountability Systems (DPAS), and Defense Travel System (DTS) to prepare documentation for this subtask. The contractor shall prepare, track, and maintain contractor documentation and files in accordance with Army and DoD regulations. Typical requirements under this subtask include travel management (Travel Authorization Requests and Travel Execution Reports), property and correspondence tracking (and suspense), exercise and meeting coordination, personnel manpower tracking, developing Functional Support Agreements, processing actions in General Fund Enterprise Business Systems (GFEBS) and in the SPS Web system (NEC Regulations), tracking Army (ASA ALT), maintaining databases (e.g., ATAP, DTS), and coordinating key actions with PL Net E PdLs and other organizations.

### **C.5.3.3 SUBTASK 3 – PROVIDE IT PROGRAM ANALYSIS DOCUMENTATION SUPPORT**

The contractor shall perform IT program analysis documentation support services that directly supports the PL Net E's IT mission requirements. The contractor shall support the budget formulation requirements within the Planning, Programming, Budgeting, and Execution System (PPBES) through the preparation and integration of a variety of comprehensive reports and documents [e.g., Procurement-Forms (P-Forms) and Research, Development, Test and Evaluation (R-Forms)]. The contractor shall provide support in preparation and integration of reports and documents, such as the Research, Development, and Acquisition (RDA) Review Packages, Distribution Plans, Obligation Plans, Continuing Resolution Authority (CRA) Plans, House Appropriations Committee S&I reporting, SMART charts, Project Book Inputs, Variance Reports, System Review Charts and back-up, Manpower Reports, Impact Statements, Information Papers, Weekly Activity Reports, and the PL Net E PMO or the PD IAW GFEBS mandated management control processes. Examples of the analysis subtask include:

- a. Provide input and prepare draft documentation for Government personnel to support acquisition decision meetings for PL Net E programs including Initialization
- b. Provide advice on acquisition strategy alternatives relating to commercial technology maturity applicable to acquisition program requirements. In addition, provide advice on availability of commercially-available hardware and software systems and products satisfying program requirements, risks and hidden costs associated with new development versus use of commercially available products, and other factors and considerations for PL Net E programs
- c. Perform studies, analyses, market research, tests, and other activities necessary to quantify risks, costs, and schedules associated with alternative acquisition strategies. Use modeling and simulation techniques and products to quantify costs, returns-on investment, cost-benefit ratios, and other measures to use in the assessment of alternative strategies
- d. Ensure that miscellaneous report formats provided to senior level management, which contain execution and budget year data follow proper formats and regulations
- e. Provide recommendations for developing and/or maintaining the acquisition management documentation required by Department of Defense Instruction (DODI) 5000.2, DODI 5000.2M, and AR 70-1

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- f. Provide advice, opinions and recommendations based upon a comprehensive knowledge of the principles, policies, pertinent laws, regulatory requirements and procedures applicable to each program
- g. Track trends, such as funding decrements, system deployment, new areas of program emphasis, and changes in users priorities, and provide advice in these areas
- h. Review and analyze program progress and fund utilization reports received from all applicable Government agencies such as the Program Executive Office (PEO) C3T, HQG8, CECOM, DFAS and identify areas wherein the programs are not progressing or being accomplished as planned, and areas of slippage and overruns
- i. Advises and support in the formulation of short and long range planning of resource requirements
- j. Participate in program scheduling and planning that involves formulating both broad and specific guidelines for planning program elements and sub-elements, prepare recommendations for program objectives, operating schedules, resource requirements, and overall program plans, establish format and reporting requirements
- k. Research and evaluate management techniques used in the realignment of any formal structure, including the development of unique, flexible tools to provide management with the optimal utilization of resources
- l. Utilize GFEBS for specific user assignments and accomplishment of mission and formulating spend plans and running reports as required through the GFEBS system.
- m. Assist Government personnel to track the execution of program funds, defining adjustments for fact of life program changes and assist Government personnel in strategic planning for upcoming obligations
- n. Define and revise Manpower Requirements for acquisition programs; determine correct billing of employees against program funding line/matrix effort
- o. Assist the Government to define Program Objective Memorandum (POM) requirements
- p. Provide assistance in the management of program resources to effectively accomplish program missions within established guidelines/approved budget
- q. Provide assistance with the development of management reports, briefings and other documentation for Congress, Headquarters, Department of the Army (HQDA), PL Net E, and stakeholders
- r. Maintain an Initialization Master Schedule based on input from agencies internal and external PEO C3T agencies and contractors supporting PD I
- s. Coordinate and update agencies' internal and external to PEO C3T and contractors on master schedule changes/updates/deletions
- t. Provide Rough Order of Magnitude (ROM) estimates and coordinate funding details for agencies requiring Initialization support
- u. Resolve master scheduling and requirements issues to support initialization production

### **C.5.3.4 SUBTASK 4 – PROVIDE PROGRAM FUNDING ANALYSES**

The contractor shall perform program funding analysis on behalf of the PL Net E. The contractor shall provide funding and budgeting expertise in E GFEBS, Standard Operation and Maintenance Army Research and Development System (SOMARDS), and the Logistics Modernization Program (LMP). The contractor shall review the status of funds received, execution, Un-liquidated Obligations (ULOs), Negative Un-liquidated Obligations (NULOs), and expiring/closing appropriations relating to assigned programs and product offices. The contractor shall present the financial status of assigned programs to management both

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verbally and in writing. The contractor shall perform the following program funding services to support PL Net E's IT mission requirements:

- a. Identify monthly variance for direct mission funding and provide variance analysis to higher headquarters and ensure customer funding is monitored and traceable in accordance with mission objectives
- b. Assist the Government in tracking the execution of funds for assigned programs to ensure established obligation/disbursement goals. Positively impact mission accomplishment using business transformation principles and concepts
- c. Identify un-obligated balances in prior year program accounts
- d. Enter end-of-month obligations and ensures that the Command Overview and Program Execution (COPE) is in balance with the accounting records
- e. Work closely with programs analysts, cost analysts, project leads, and various offices to which funding is sent in order to ensure that offices execute and obligate funding timely and efficiently
- f. Interact independently and proactively with CECOM activities, DFAS offices, and numerous DOD and non-DOD activities to define problems and develop and implement strategies/techniques to resolve the problems and avoid reoccurrences
- g. Assist the program/cost analysts in the formulation of the long range planning of the resource requirements, including the preparation and coordination of fiscal programming documentation
- h. Coordinate with program analysts and management personnel when warranted, to identify un-obligated balances in prior year accounts and take action to obligate within one month of the funds becoming available
- i. Continually improve obligation and disbursement rates for assigned programs. Ensure closing year records are reconciled and fully disbursed to preclude use of current year appropriations. Scrub expiring year obligations to determine validity and possible use on other requirements. Resolve NULOs within 60 days of occurrence
- j. Provide fiscal/execution year (and prior year for multiple year appropriation) support services, consisting of the preparation and integration of various comprehensive reports and documents as required by the product offices
- k. Analyze and prepare accounts for Fiscal Year (FY) initial start-up, carryover requirements, and closeout
- l. Collect and analyze financial data to support the Government in establishing reimbursable accounts
- m. Provide critical financial input to monthly obligations plans, P-Form, SMART Charts, Weapon System Reviews, Program Reviews
- n. Positively impact mission accomplishment using business transformation principles and concepts, by reviewing and recommending changes to processes to improve efficiency and effectiveness
- o. Participate as an active member of the PL Net E IPTs and provide critical financial input to monthly COMPASS data, obligations plans, P-Form, SMART Charts, Weekly Status Report (WSR), and Program Review

### **C.5.3.5 SUBTASK 5 – PROVIDE COST ANALYSIS SUPPORT**

The contractor shall provide cost analysis support on behalf of the PL Net E. The contractor shall prepare documents in accordance with the most recent versions of the DoDI 5000.02, Cost

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Analysis Manual, Guidelines for Life Cycle Cost Estimates and other published guidance that also defines the methods and procedures for preparing cost estimates established by the US Army Cost and Economic Center and the Army cost communities. The contractor shall conduct studies and analysis, develop recommendations and alternative courses of action for improved efficiencies or best practices for life cycle cost decisions in all aspects of the lifecycle management for PL Net E products and programs. The contractor shall provide the following cost analysis support for PL Net E:

- a. Provide models and cost estimates in Government approved software for programs and systems and maintain proficiency in the use of those cost estimating and program management software tools
- b. Provide cost and economic analysis support and methodology guidance, in support of the Planning, Programming, Budgeting, and Execution System (PPBES) process
- c. Support the PL Net E in the preparation of documentation which may include but is not limited to DoD mandated documents such as; Army Program Baseline (APB), the Cost Analysis Requirements Document (CARD), Program Office Estimate (POE).
- d. Assist in generating Life Cycle Cost Estimates (LCCE), Cost Benefit Analysis (CBA), and any cost sections of such documents to include but also not limited to the Acquisition Program Baseline, Supportability Strategy, Operational Documents Capabilities Development Document (CDD) and/or Capabilities
- e. Utilize Automated Cost Estimating Integrated Tools (ACEIT) as the basis for all cost and budget estimates in support of PL Net E
- f. Review, develop and prepare analysis of cost reports to include documents such as Cost Performance Reports (CPRs), Cost Schedule Status Reports (CSSRs), and Contractor Progress Status Management Reports (CPSMRs)
- g. Prepare Procurement Forms (P-Forms) and Research, Development, Test and Evaluation Forms (R-Forms) twice a year for assigned programs to include program description, funding and quantity breakout and delivery schedule
- h. Utilize GFEBS Enterprise Resource Planning (ERP) system as directed to accomplish user assignments
- i. Identify cost savings and efficiencies in the area of Value Engineering, Better Buying Power and Lean Six Sigma to effectively identify/optimize program resources
- j. Provide cost and economic analyses on technical issues relating to Operational Readiness Assessment (ORA) and CA techniques and guidance in support of Army Communications-Electronics Material Acquisition and the PPBES processes
- k. Assist the Government in POM cycle planning

### **C.5.3.6 SUBTASK 6 – PARTICIPATE IN AND SUPPORT TECHNICAL BRIEFINGS AND MEETINGS**

The contractor shall participate in and support PL Net E technical briefings and meetings to provide time-critical information to internal and external PL Net E stakeholders. This support includes assisting the PL Net E PMO to conduct informational, status and decision briefings for the product offices within PL Net E. The contractor shall also coordinate and participate in briefings and meetings on behalf of the PL Net E PMO. The contractor shall provide the following services under this subtask:

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- a. Prepare viewgraphs and handouts as appropriate and provide technical support to briefings provided by Government personnel
- b. Assist PL Net E in preparing for meetings and conferences with other government organizations as schedules are determined based on Government requirements
- c. Assist PL Net E to develop agendas, briefings, document issues and concerns, provide written meeting notes and action items, and keep any databases required for tracking follow-on actions

### **C.5.3.7 SUBTASK 7 – PROVIDE DOCUMENT DEVELOPMENT AND EVALUATION**

The contractor shall provide document development and evaluation services for the PL Net E PMO. The contractor shall assist the Government in preparing specifications using appropriate standards and practices. The contractor shall provide the following services under this subtask:

- a. Develop System Level Specification (SLS) or SLS modifications using an Operations Concept supplied/approved by the requiring activity.
- b. Support specification reviews, coordinate with users and technical experts, and incorporate comments into these specifications.
- c. Provide technical support to Integrated Product Teams (IPTs) and other technical interchanges to include:
  1. Develop and distribute agendas, presentation packages and meeting minutes
  2. Track open issues and action items and coordinate with representatives from other organizations as necessary to resolve issues.
  3. Conduct analyses and provide recommendations on technical issues within programs, as well as impacts on programs outside the domain

The contractor shall provide the programmatic and technical support services necessary to evaluate, analyze, and recommend actions relating to the development of technical documentation by the requiring activity. Technical documentation shall consist of system operating instructions, maintenance, and servicing procedures, calibration procedures, installation and checkout procedures, change notices and data covering system modifications. Review shall ascertain whether data was developed and delivered in accordance with applicable standards, report discrepancies, and recommend necessary corrective actions.

### **C.5.3.8 SUBTASK 8 – PROVIDE GOVERNMENT PURCHASE CARD SUPPORT**

The contractor shall provide Government Travel Card support in accordance with Department of Army, Government Purchase Card, Operating Procedures, dated 3 May 2013 as follows: .

- a. assist in making authorized purchases
- b. collect and maintain required documentation
- c. maintain files and records
- d. rotate merchants when practicable
- e. verify independent receipt and acceptance of goods and services
- f. verify establishment of legitimate government need
- g. Comply with required sources to include:
  1. FAR Part 8 and DFARS 208 Required Sources of Supply/Service
  2. Utilize CHES for IT hardware and software purchases
- h. Screen all requirements for availability from the mandatory Government sources of supply

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- i. verify receipt/acceptance of purchased goods or services received including tracking of partial shipments and components that must be received within the dispute window
- j. review and reconcile monthly statements
- k. maintain a manual purchase log if the electronic purchase log is not accessible
- l. coordinate with Property Book Officer (PBO) to determine what is considered pilferable property to be recorded in the property control systems records or which items can be placed on a hand receipt
- m. ensure all pilferable and other vulnerable property receipts are provided to the supporting PBO within five working days to enable the PBO to establish accountability and asset-safeguarding controls by recording the asset in the property control system records

### **C.5.4 TASK 4 – PROVIDE ASSET MANAGEMENT AND LOGISTICS ANALYSIS SUPPORT**

The contractor shall provide Integrated Logistics Support (ILS) services to PL Net E and its associated departments and programs to include development (under Government review) the following tasks: ILS, Acquisition Management, Logistics Demonstrations (Log Demo), Hardware Analysis Support, and associated technical support primarily at Aberdeen Proving Ground, MD. Any additional locations would be determined based on Government requirements and are listed in Section F.4.

#### **C.5.4.1 SUBTASK 1 – PROVIDE INTEGRATED LOGISTICS SUPPORT**

The contractor shall provide ILS for assigned PL Net E systems and products. The contractor's primary focus shall be to review and comment on the technical, engineering, and logistics aspects of life cycle management for developmental items, non-developmental items, and product improvements from program conception to fielding and deployment, to end of life actions. The contractor shall also provide services in the Customer Assistance and Technical Program Support areas including the following assistance and/or documentation support:

- a. Provide ILS support in the areas of: field engineering, supply support, materiel issues and fielding, equipment integration and installation, test and evaluation, publications/documentation, studies and analyses and other technical and programmatic support
- b. Analysis, assessment, data management and technical support of logistics activities associated with the design, fabrication, test, production, fielding, and disposition of programs
- c. Conduct technical evaluations, recommendations and solutions pertaining to product data, training, configuration control, program management, acquisition, and engineering/logistics support functions associated with programs/systems
- d. Prepare copies of documents, CDs, DVDs or other media when required by the Government for distribution
- e. Provide assistance in the development of documents prepared in accordance with DoD 5000 Series and AR 70-1
- f. Ensure training material meet the Automated Systems Approach to Training (ASAT), Training Development Capability (TDC) or any subsequent next-generation training development tools. The contractor shall develop in conjunction with government Life Cycle Support Plan (LCSP)



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- g. Develop Logistics Demonstration Reports/Plans including: Support Strategies (SS), Quick Reference Guides (QRG), and Troubleshooting Guides
- h. Provide Defense Logistics Service Center (DLSC) prescreening for all Reference Numbers appearing on all applicable Provisioning Technical Documentation Parts Lists and obtain National Stock Numbers (NSN) for all items not previously identified during the screening process
- i. Provide programmatic information, review and/or provide comments for documents associated with acquisition, program of record or milestone reviews. The contractor shall be responsible for supporting oversight and assisting in development of the following:
  - 1. Warranty bulletins
  - 2. Maintenance concepts
  - 3. Material Fielding Plans (MFP)
  - 4. Logistics Support Plans/Memorandum of Agreements (LSP/MOAs)
  - 5. Government System Support Plans (SSP)
  - 6. Item Unique Identification (IUID) plan
  - 7. Technical Manuals (TMs - paper and electronic) development and updates
  - 8. Technical/Supply Bulletins
  - 9. Transportability Planning
  - 10. Calibration Procedures
  - 11. Repair Parts and Special Tool Lists (RPSTLs)
  - 12. Maintenance Allocation Charts (MACs)
  - 13. Component of End Items (COEI)
  - 14. Basic Issue Items (BII)
  - 15. Technical Data Packages (drawings/specifications)
  - 16. Provisioning Documentation
  - 17. Public/Private Depot Maintenance Work Requirements
  - 18. Modification Work Orders (MWOs)
  - 19. Identification Lists
  - 20. Component Lists
  - 21. Product Support Data
  - 22. Hand Receipts
  - 23. Provisioning Parts Lists (PPLs)
  - 24. New Equipment Training (NET)
  - 25. Core Logistics Assessment (CLA)
  - 26. Reliability, Availability and Maintainability Analysis
  - 27. Material Release Approval; Urgent Material Release, Conditional Material Release and Full Material Release
  - 28. Transition Plans
  - 29. Fault and Failure Analysis and Tracking
  - 30. Memorandum of Understanding (MOU)
  - 31. Provisioning Parts Lists
  - 32. Revise/update PPLs with any changes caused by Design Change Notices (DCN) or addition of a new model
  - 33. Engineering Data for Provisioning (EDFP)
  - 34. Design Control Notices (DCNs)
  - 35. Provisioning Technical Documentation (PTD)

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The Government anticipates that during the last two option years of the TO, there will be a surge in the fielding and training requirements that will require the contractor to provide a specialized team under this subtask to implement these additional fielding requirements.

### **C.5.4.2 SUBTASK 2 – HARDWARE ANALYSIS/PROCUREMENT SUPPORT**

The contractor shall support PL Net E in the following areas:

- a. Assist in identifying suitable hardware and ancillary options for customers requiring modified tactical COTS hardware/software.
- b. Assist in the evaluation of commercial hardware/software to meet the customer's specific requirements.
- c. Provide technical expertise and advice concerning advancements in changes in commercial computing technologies
- d. Provide support with expertise with documentation preparation for technical insertions engineering change proposals, and configuration changes to be applied to hardware/software procurement contracts and purchases.
- e. Provide technical support to Government engineers in the evaluation of hardware and limited hardware support proposals.
- f. Provide configuration management and end of life monitoring assistance for hardware items and provide information in the monthly status report. .
- g. Provide assistance in the creation of hardware/software technical specification files, brand names justifications, and other unique and/or technical documentation in support of procurements and related activities.
- h. Provide assistance with the design and selection of rugged hardware platforms, Operational Transit Cases (OTCs), mounted and dismounted baseband packages, environmentally tested and qualified solutions, etc. based on high level customer hardware requirements.

### **C.5.5 TASK 5 - PROVIDE INFORMATION SYSTEMS SECURITY SUPPORT**

The contractor shall provide information systems security support services for PL Net E. The contractor shall provide measures and controls to protect supported networks from denial of service, unauthorized disclosure, modification of data, or destruction of networks, network components or the information processed on them. This shall include engineering, documentation and validation of security and assurance related hardware and software. The contractor shall ensure that all support is compliant with applicable regulations, guidelines and C3T policies listed in section Section H.29 of this TO.

The contractor shall audit and provide a report to the Government, Guidance for Supported Network Implementations, that contains guidance for supported network implementations through the life cycle phases to ensure proper compliance with security and assurance policies referenced in section H.29 of this TO. This support shall include all network components and network-attached devices, and related infrastructure configurations. To verify adherence, the contractor shall utilize Government provided tool suites (e.g. DISA Gold Disk, DISA Security Readiness and Review (SRR) scripts, eEye Retina and McAfee HBSS) and other tools/methods as needed to perform vulnerability assessments of these systems.

#### **C.5.5.1 SUBTASK 1 OPERATIONAL SECURITY (OPSEC)**

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The contractor shall perform the following four INFOSEC and Operational Security (OPSEC) tasks IAW DoD Manual 5200.01, Volumes 1-4, the National Industrial Security Program Operating Manual (NISPOM), dated 28 Feb 06. The contractor shall provide an OPSEC Plan within 90 calendar days after TO award that addresses how it shall implement OPSEC throughout all locations staffed under this TO. Para 6-2g of AR 530-1 lists information the contractor shall implement in an OPSEC Plan.

- a. The contractor shall require access to the system Security Classification Guide (SCG). The contractor shall adhere to all guidance contained in the system SCG. These requirements shall flow down to all subcontractors engaged by the contractor
- b. The contractor shall provide technical and programmatic support for system SCG updates. These requirements shall flow down to all subcontractors engaged by the contractor.
- c. Contractor security representatives shall perform an OPSEC review of all related documentation to include press announcements, articles, speeches, briefings, etc., prior to public release. The OPSEC review shall include classification, controlled unclassified information (CU) and OPSEC considerations. The OPSEC review will seek to identify and limit discussion of CPI and sensitive indicators of program activity. The OPSEC review will be coordinated with the Program Management Office (PMO). These requirements shall flow down to all subcontractors engaged by the contractor.
- d. The contractor shall develop and implement a security awareness and education program consistent with the government's overall program across all contractor locations and activities. These requirements shall flow down to all subcontractors engaged by the contractor.

### **C.5.5.2 SUBTASK 2 – PROVIDE SECURITY ANALYSES AND CERTIFICATION AND ACCREDITATION SUPPORT**

In support of Security Analysis, Certification and Accreditation Requirements, the contractor shall provide (at on-site buildings and other sites designated) the following information systems security support services:

- a. Review Department of Defense Army, Department of Defense, and National information security policies to ensure PL Net E compliance.
- b. Review and support system security requirements and specifications to identify system vulnerabilities, identify application vulnerabilities, identify interface vulnerabilities, and provide recommendations on short/long term solutions including hardware/software products that can be used to correct security deficiencies.
- c. Perform security analyses of system components, testing, certification, risk management review, and accreditation as required by system, and develop and deliver the necessary accreditation documentation to ensure compliance with requirements and permit fielding (e.g., System Security Authorization Agreements and full or Interim-Approval-to-Operate accreditation statements)
- d. Support Integration IPT technical meetings and provide analysis and presentation support at quarterly Information Assurance IPT meetings, and at other meetings, on an as needed basis

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- e. Provide input to technical reports, requirements and test documentation, and briefing packages
- f. Provide support services in the preparation and implementation of the DIACAP process. Determine the appropriate certification level and adjust/update the DIACAP activities to the program strategy and system life cycle. Ensures that the security activities are relevant to the process and provide the required degree of analysis. Revise the certification levels for any changes.
- g. Revise the DIACAP process to address more specific needs of the system, security requirements, and program requirements.
- h. Identify any security requirements that might affect the level of effort required for the certification and accreditation process
- i. Revise the DIACAP Plan (including SSAA documentation) to document the tailoring changes and define the activities required for the C&A process. The tasks, milestones and schedule must be consistent with the system development or maintenance schedule

### **C.5.5.3 SUBTASK 3 – PROVIDE INFORMATION SYSTEMS SECURITY SUPPORT**

The contractor shall provide Information Systems Security (ISS) services in support of overall PL Net E and shall include threat and vulnerability assessments, perform risk analyses and provide risk mitigation recommendations that are appropriate to the intended use of information systems. The contractor shall perform support for the following:

- a. Access control systems
- b. Telecommunication and network security
- c. Security management
- d. Applications and systems development security
- e. Cryptography
- f. Security architectures and models
- g. Operations security; and business continuity and disaster recovery planning
- h. Development of information security requirements, review of ISS documentation prepared by system vendors, and providing overall technical support in the area of information security
- i. Address potentially new ISS threats and vulnerabilities and prepare trade-off analyses, impact analyses, vulnerability assessments, risk analyses, requirements analyses, and design reviews
- j. Maintain specific Quality of Service (QoS) and Information Assurance (IA) baseline policies relevant to all fielded Increments and versions of Tactical network equipment and IA infrastructure and provide advice on implementation
- k. Perform Quality Assurance (QA)/Quality Control (QC) of all delivered IP Templates, Network Configurations, and other related deliverables utilizing Government-provided tools in association with PL Net E products and initialization.

### **C.5.5.4 SUBTASK 4 – PROVIDE PROGRAM PROTECTION PLANNING**

The contractor shall support the development of Critical Program Protection documentation. The Critical Program Information (CPI) Assessment supports the Program Protection Plan (PPP). A PPP is required at each Milestone Review throughout a product lifecycle. The contractor shall perform the following tasks in addition to all other Program Protection tasks stated above:

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- a. Assist and support the U.S. Government in performing all Critical Program Information (CPI) assessments on supported systems and related components. The CPI assessment is a structured approach to identify the technical know-how in the areas of Concept, Material, Design, Manufacturing, and Integration that enables the hardware and/or software elements to meet the threshold of CPI as defined in DoDI 5200.39, 16 Jul 08, incorporating Change 1, 28 December 2010. This requirement shall flow down to all subcontractors (if applicable).
- b. Support all CPI Assessments to include systems engineering, software engineering, hardware engineering, integration and logistics analysis.
- c. Develop all program documentation required by the PMO for each CPI Assessment. When CPI is identified, the U.S. Government will prepare a PPP. The Government will also provide the contractor with written guidance pertaining to implementation of countermeasures to protect CPI. To support this requirement, the contractor shall provide a Program Protection Implementation Plan to the Government within 30 days of receiving countermeasure guidance and provide periodic countermeasure implementation status to the PMO as a part of the Monthly Status Report.
- d. Provide technical support for the Government's PPP process performed IAW DoDI 5200.39, DoDI 5200.02, and DA PAM 70-3. This shall include support for a Critical Functionality Analysis (CFA) of the acquisition program.
- e. Assist and support PL Net E in performing a Supply Chain Risk Management (SCRM) analysis in accordance with (IAW) Federal Acquisition Regulation (FAR) paragraph 25.004 and 41 U.S.C. 10a. The contractor shall identify suppliers of logic-bearing devices and software/firmware modules to the PL Net E PMO. The contractor shall identify who is designing, building, testing and distributing critical components and where this work occurs. The data shall include the company name, address, CAGE Code, and a supplied item description.

### **C.5.6 TASK 6 – PROVIDE SYSTEMS ENGINEERING AND NETWORK TECHNICAL SERVICES**

The contractor shall provide on-site technical and systems engineering and network technical services for PL Net E at Aberdeen Proving Ground, MD, and other locations identified in Section F.4. This task includes providing a full spectrum of systems engineering, and network technical support services to assist PL Net E to provide mission-critical systems engineering support to the Warfighter in a tactical environment both CONUS and OCONUS.

The contractor shall review, analyze, evaluate and report to the Government on PL Net E program performance, and evaluate systems engineering and network alternatives and recommend solutions to PL Net E. The contractor shall conduct in-process reviews with all stakeholders of assigned programs and shall provide advice and recommendations on acquisition strategy alternatives relating to commercial technology maturity applicable to acquisition program requirements. The contractor shall also provide systems administration and risk management services under this task for PL Net E.

#### **C.5.6.1 SUBTASK 1 – PROVIDE SYSTEMS ENGINEERING SERVICES**

The contractor shall perform a wide range of systems engineering services to ensure the PL Net E is compliant with program requirements and objectives, interoperability requirements,

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configuration management requirements, and similar Program-Wide responsibilities, including, but not limited to:

- a. Capabilities analysis,
- b. Leadership and Education, Personnel and Facilities (DOTMLPF) efforts,
- c. Joint Capability Integration and Development System (JCIDS),
- d. System and/or software integration,
- e. Platform integration
- f. Interoperability with various Command, Control, and Communications (C3) systems
- g. Technical or operational testing,
- h. Sustainment and refreshment of capabilities.
- i. Configuration management,
- j. Planning and strategy meetings
- k. Program review and coordination meetings
- l. General systems engineering, systems implementation planning and system test and evaluation services
- m. Prepare specifications, plans, analyses, modeling, simulations and reports
- n. Review engineering output in the areas of systems level operation and maintenance procedures, performance improvements criteria, tools assessments, metrics management, quality assurance, configuration management, technical orders, and maintenance practices
- o. Conduct systems engineering trade-off analysis

The contractor shall provide additional support in identifying risks; analyzing and providing mitigation strategies; and actively coordinating with other stakeholders to ensure the needs of the organization's customers are being met.

The contractor shall support PL Net E to develop and lead a PL Net E Integration Product Team (IPT) that will reach out across all Army agencies, Program Managers, Research and Development and Sustainment agencies and will include Army staff, NSA, Department of the Army (DA) agencies as well as Defense contractors. In addition, the contractor shall support PL Net E in various meetings internal to the PD as well as to PL Net E's external customers to include the following:

- a. In Process Reviews (IPRs)
- b. Preliminary Design Reviews (PDRs)
- c. Critical Design Reviews (CDRs)
- d. IPTs
- e. Joint Key Management Working Group (JKMWG)
- f. Cryptographic Solutions Technical Advisory Group (CSTAG)

### **C.5.6.2 SUBTASK 2 – ASSESS COMMERCIAL OFF THE SHELF (COTS) AVAILABILITY**

The contractor shall provide consultation to PL Net E on the availability of commercially-available hardware and software systems and products satisfying program requirements, risks and hidden costs associated with new development versus use of commercially available products, and other factors and considerations. The contractor shall provide the following services:

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- a. Provide advice and recommendations on acquisition strategy alternatives relating to commercial technology maturity applicable to acquisition program requirements. In addition, provide advice on availability of commercially-available hardware and software systems and products satisfying program requirements, risks and hidden costs associated with new development versus use of commercially available products, and other factors and considerations for PL Net E programs.
- b. The contractor shall provide support to the Government by assisting in responses to questions with respect to the ordering of equipment, status of orders, the recommendation of equipment and identifying solutions based on customer needs.

### **C.5.6.3 SUBTASK 3 – ASSESS NEW PRODUCT REVIEWS**

The contractor shall provide comments and recommendations for documentation pertaining to new products/systems being evaluated or reviewed to include the following:

- a. Concept of Operations (CONOPS),
- b. Capabilities Based Assessments (CBAs),
- c. Initial Capabilities Document (ICD),
- d. Capabilities Production Document (CPD),
- e. Analysis of Alternatives (AoA),
- f. Critical Operational Issues and Criteria (COIC),
- g. Committee on National Security Systems Instructions (CNSSI), and
- h. Army Regulations.

The contractor shall review, write, and help validate/certify operational mission threads. In addition, the contractor shall support efforts to TRADOC Capabilities Needs Analysis (CAN) development, current and future Capabilities Set developments and all test events related to programs/projects that they have been assigned.

### **C.5.6.4 SUBTASK 4 – NETWORK INTEGRATION EXERCISE (NIE)**

The contractor shall coordinate PL Net E activities for all weapon systems and platforms entering into the NIE. The contractor shall provide appropriate support for all PL Net E PdLs based upon those PdL's requirement in the NIE. This includes the following support:

- a. Provide specialized expertise in obtaining appropriate Key Materiel for all radios and Weapon Systems for each NIE event;
- b. Provide technical support to NIE participants for all PL Net E equipment;
- c. Receive and manage all PL Net E equipment assigned to participate in NIE events and ancillary equipment utilized during NIE events;
- d. Develop Standard Operating Procedures (SOP) encompassing all PL Net E systems as they pertain to NIE activities;
- e. Perform PL Net E Hand-Receipt-Holder duties in support of NIE events;
- f. Provide on-site System of Systems engineering and network configuration support during Combat Training Center exercises, the NIE and, when needed, PM Validation and Reset events and other key events; and
- g. Provide on-the-ground System of Systems engineering support for TNIC products.

**C.5.6.5 SUBTASK 5 - INITIALIZATION SERVICES**

The contractor shall provide on-site technical support services, during all phases of the system development, testing, production, fielding, sustainment and final disposition of PL Net E programs. Primary on-site support locations are Aberdeen Proving Ground, MD and/or Fort Hood, TX. These initialization services include continuous deployed support to Afghanistan. The contractor shall provide the following technical support services:

- a. Lead and /or support the initialization efforts to include planning and coordinating the Network Integration Exercise (NIE) at Fort Bliss, and be responsible for ensuring the successful Initialization of that event
- b. Provide Initialization requirements and data production expertise for a broad range of C4ISR systems, and understand the interdependencies required to ensure suitable initialization
- c. Support the continued development of a suite of initialization tools that provide a rapid, near dynamic initialization capability to customer units
- d. Maintain the allocation and detailed breakdown of Public and Private Internet Protocol (IP) addressing for each tactical Army unit in the current force
- e. Coordinate with PMs internal and external to PEO-C3T to detail the IP Addressing requirements for each of the Tactical assemblages fielded to the Warfighter
- f. Develop, standardize, and maintain all current force tactical IP Templates
- g. Provide assistance with the Post Network Integration Review (NIR) tactical IP Address Registration
- h. Maintain the allocation and detailed breakdown of telephony numbering plans for each tactical Army unit in the current force
- i. Develop, standardize, and maintain the network device configuration templates for all network devices in the current force architecture
- j. Provide technical advice and expertise during meetings with Program Managers within as well as external to PEO-C3T in order to assist in decisions regarding software, firmware, and equipping as it pertains to current and emerging technologies
- k. Facilitate technical peer reviews with PMs internal and external to PEO-C3T in order to assess the current force network in an effort to maximize network performance and versatility
- l. Participate in software integration tests, IOS upgrades, and COTS equipment reviews in an effort to assist PMs within PEO-C3T to stay abreast of emerging technologies
- m. Develop Interconnectivity Diagrams that assist in the setup and troubleshooting of a unit's Command Post (CP) and depicts the interconnection of each fielded system in order to maintain the plug and play capability provided by network device configuration files
- n. Maintain a PM-fielded POR baseline change request system and upon approval, network and IA baselines will be modified for future configuration builds
- o. Maintain configuration management of all deliverables as well as PM-provided cut-sheets, Detailed Technical Procedures (DTP), IA and QoS Baselines
- p. Lead the continued development of software tools which provide the ability for soldiers to modify Active Directory Application Mode (ADAM)/ Data Interchange Format files (LDIF) (ADAM/LDIFs)



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- q. Manage and support the continued developing, updating and/or the maintenance of the Data Product Development Environment (DPDE), Automated Initialization Manager (AIM), Initialization Tool Suite (ITS) and the successor tools
- r. Prepare test plans, perform surveys, monitor tests, prepare reports and update studies related to threat, operation, system concept, product improvements, logistics, sustainment, fielding, and vulnerability, which are necessary to execute applicable programs
- s. Provide advice and recommendations on the development and maintenance of system performance, analysis tools and databases and in technique and model selection for evaluating and projecting future system performance
- t. Support program schedule development (e.g. develop schedules for technical portions of program, support development of integrated program schedules)
- u. Review Production and fielding support proposals
- v. Participate in program reviews
- w. Provide independent evaluation of system performance
- x. Review technical reports/design plans/program documentation
- y. Conduct technical analysis and prepare report providing conclusions/recommendations
- z. Provide logistics engineering, and technical support related to reliability, maintainability, operational availability and human factors engineering for applicable products
- aa. Provide configuration design, support of field tests to validate Network configurations and support of functional interoperability testing at Central Technical Support Facility (CTSF) and at the Software integration Laboratory on Aberdeen Proving Ground. Include any design changes and transition of equipment that may be required as a result of changes to system configuration requirements and/or equipment upgrades supporting Initialization
- bb. Provide software blocking support for applicable systems, including answering data calls and aligning schedules
- cc. Provide for validation, correction, test, configuration management and release of new software baselines in response to engineering action requests
- dd. Provide technical services in support of the correction of software defects and the implementation of software modifications/enhancements
- ee. Review and investigate current Software Problem Reports (SPRs), Potential Problem Reports (PPRs), enhancements and on-hold PPRs, (which are those problems identified post Functional Qualification Test (FQT) and not entered into the problem reporting database). The contractor shall implement and unit test all SPRs and other modifications applicable products/software version releases
- ff. Provide data products using initialization tools such as the Automated Initialization Manager (AIM). Data Product Development Environment (DPDE), Initialization Tool Suite (ITS) and/or future initialization tools
- gg. Coordinate with PMs internal and external to PEO C3T for data product and initialization tools development, support, and integration
- hh. Provide configuration management support for data products to include distribution, repository, tracking, and access
- ii. Provide configuration management support for initialization tool documentation
- jj. Develop and maintain change request tracker and configuration control board system and work flows

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- kk. Provide documentation and information support to include website development and maintenance, file distribution, file access, and administration
- ll. Perform network engineering functions to include: conceptualization, design, implementation, and optimization
- mm. Assess data product and initialization tool user needs, translating those needs into network changes through network reconfiguration, hard and software acquisitions, installation and test
- nn. Provide technical expertise on application of current and emerging C4ISR network software and hardware technology and protocols
- oo. Provide initialization requirements expertise for a broad range of C4ISR systems, the interdependencies required to ensure successful initialization
- pp. Support integrated initialization software solutions for C4ISR systems and applications
- qq. Create and/or define complex technical requirements for input sources and configurations files for initialization tools and/or data products

### **C.5.6.6 SUBTASK 6 - INITIALIZATION AND SYSTEMS STUDIES AND ASSESSMENT**

The contractor shall provide initialization and systems engineering studies and assessment support. The contractor shall provide the following:

- a. Project-level system engineering studies and assessments in support of mission needs
- b. The collection and maintenance of system performance data to support identification of operational capability shortfalls
- c. Assist in the identification of operational requirements
- d. Translation of operational needs into system-level functional and performance requirements
- e. Identification of alternatives and trade-off analyses of alternatives
- f. Assist in requirements analyses and validation
- g. Functional analyses and allocation of functions and system performance requirements to program segments
- h. Development and maintenance of functional and system design specifications
- i. Identification of performance interface requirements
- j. Identification and specification of system-level test requirements
- k. Identification and documentation of functional interface requirements in interface requirements documents (IRD)
- l. Identification and documentation of functional interface requirements in interface control documents (ICD)
- m. Failure mode analyses to determine the appropriate system-level performance parameters and requirements
- n. Perform market research studies
- o. Perform commercial off-the-shelf hardware and commercially-available software (COTS/CAS) studies to identify likely candidates for application to supported projects, to assess corporate and product line viability and commercial maturity, to predict commercially-driven product upgrades, to assess support infrastructure, and to identify other factors which would influence life cycle cost, schedule, and programmatic risk.
- p. Assess COTS/CAS products for satisfaction of programmatic requirements and perform such tests to verify claimed performance

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- q. Review and assess proposed changes to program baseline requirements and review and assess project specifications for traceability of segment requirements to program system-level requirements.
- r. Review and assess acquisition plans, mission need statements, program plans, system evolution plans, automation transition plans, system plans and interim system plans and requirements.
- s. Conduct system evaluations and lessons learned analyses of telecommunications/automation end items/systems, applying automated techniques where applicable.
- t. Conduct Architectural Studies/Analyses to determine security, integration and interoperability requirements of present and future interrelating telecommunications/automation systems.
- u. Provide automated assessments and recommendations for specific technical, scientific, or engineering approaches related to the following:
- v. Conduct a performance/feasibility analysis of a specific concept or technique to include the application of automated techniques and the modeling of established design and performance characteristics.
- w. Provide systems engineering support to include automated techniques for the design or modification of existing equipments and systems, including developmental items.
- x. Provide systems engineering support to engineering development
- y. Provide systems engineering support to production
- z. Provide systems evaluation support to Non-Developmental Items (NDIs)

### **C.5.6.7 SUBTASK 7 – PERFORM RISK MANAGEMENT**

The contractor shall perform risk management to include:

- a. Identify areas of technical risk when translating operational requirements into system level requirements and shall develop proposed potential methods of dealing with such technical risks through risk mitigation plans.
- b. Perform technical risk assessments of subsystems designs, architectures, and computer systems proposed changes in baseline requirements and proposed changes to existing systems.
- c. Provide programmatic risk management, risk analysis, risk assessment, technical performance measurement, risk modeling, and analytical studies.
- d. Where COTS and Commercial Available Software (CAS) products are being used or considered, the contractor shall assess risk to acquisition and support costs and schedules relating to the use of such COTS/CAS products. Factors assessed shall include business considerations associated with the projected viability and support of both the supplying vendor and the identified products or product lines; lessons learned from past use of COTS/CAS products: required product or technology refresh cycles; likely costs of changes dictated by the commercial market; performance shortcomings caused by commercial response to multiple users vice sole use by PL Net E; and the likely costs associated with required development to tailor or adapt commercial products to the tactical Army environment.
- e. Provide Technology Assessments of existing and emerging technologies to be considered in the evolution of the program and forecast cost-effective opportunities to improve the mission-effectiveness of program segments.

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- f. Perform Cost and Schedule Risk Assessments to support trade-off studies considering:
  1. Various alternatives to meeting mission need
  2. Alternate courses of action when one or more interdependent segments or phases experiences a delay
  3. Opportunities for new technology insertions
  4. Sources of information that can be used for cost and schedule risk identification include system engineering, documentation, life cycle cost analysis, schedule networks, schedule analysis, baseline cost estimates, requirement documents, lessons learned, trade analysis, technical performance measurement analysis, and deterministic or statistical models
  5. Perform studies, analyses, market research, tests, and other activities necessary to quantify risks, costs, and schedules associated with alternative acquisition strategies. Use modeling and simulation techniques and products to quantify costs, returns-on investment, cost-benefit ratios, and other measures to use in the assessment of alternative strategies
  6. Provide assessments of various technical approaches from a cost/schedule/risk perspective

### **C.5.6.8 SUBTASK 8 – PROVIDE SYSTEMS ADMINISTRATION AND SYSTEMS INTEGRATION SERVICES**

The contractor shall provide systems administration and systems integration services for established, in-processing, and out processing of PL Net E personnel at Aberdeen Proving Ground, MD and locations listed in Section F – Place of Performance. The contractor shall perform the following services:

- a. Implementation of office automation systems and integration of manual and automated processes in accordance with Network Enterprise Centers (NEC) program policies. Location and access to policies and documents will be provided by the Government in accordance with paragraph H.5.2 of this TO.
- b. Generate, modify and track Local Area Network/Network Enterprise Center (LAN/NEC) trouble tickets for the organization's server connected equipment
- c. Coordination of implementation of operational information systems such as office automation systems, cell phone account maintenance
- d. Development and guidance of office work processes, data transfer and manipulation.
- e. Provide software/systems support to meet critical performance schedules for office software such as Microsoft Office, Adobe, etc. and systems upgrades.
- f. Collect and analyze metrics, monitor/track planned/actual performance requirements and related problem resolution information
- g. Maintain current knowledge base for emerging software and domain-specific technologies and trends
- h. Monitor opportunities and recommend solutions for office automation technology development, integration, or transition into legacy/current or new systems in support of daily business operations
- i. Administration of equipment and network interfaces for incoming personnel
- j. Maintain and troubleshoot hardware for general office automation equipment
- k. Transfer of data from LAN and non LAN systems to notebook/laptops

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- l. Periodic (once every six months) inventory and inspect Automated Data Processing Equipment (ADPE)
- m. Coordination, scheduling and integration of existing new Office Automation systems and software pushed via the NEC
- n. Evaluate and recommend hardware and software as needed for daily business operations
- o. Provide weekly status reports to next higher level of management
- p. Prepare for assigned meetings, participate actively, and follow through with assigned action items to closure
- q. Act as the organization's point-of-contact with the NEC for troubleshooting of IT equipment, software or process failures
- r. Support the implementation of IT security policies and procedures. To provide recommendations to secure and validate the IT infrastructure, network security, information assurance, and user training
- s. Assist in the development and documentation of policies and procedures to ensure reliability and accessibility of information systems, and to prevent and defend against unauthorized access to systems, networks, and data.
- t. Interface with Department of the Army, other Services, and NSA and shall participate in various Integrated Product Teams (IPTs), configuration management, planning and strategy meetings, program reviews and coordination meetings.

### **C.5.6.9 SUBTASK 9 – PROVIDE KNOWLEDGE MANAGEMENT SERVICES**

The contractor shall provide knowledge management services support for all PL Net E programs at Aberdeen Proving Ground, MD, and other locations listed in section F of this TO in the following areas:

- a. Work with PL Net E organizations and offices to develop concepts for custom applications/web designs/processes
- b. Write various articles for publications that outline current programmatic and technological events occurring in the PL Net E organization. The number of publications and timing is dictated by events and varies. Historically, at least two articles or publications were required each quarter
- c. Facilitate the approval process before articles are released for publication
- d. Provides SharePoint administration for multiple sites. The contractor shall provide custom web development, site maintenance, user roles and access, and content management
- e. Provides site maintenance and content updates/development for Army-specific Web applications, such as milBook, milWiki
- f. Recommend new technologies based on current organization requirements and processes
- g. Support projects including web-applications, business process re-engineering pertaining to administered systems, training solutions, and special projects
- h. Analyze business and technical processes to formulate, organize, present and retain organizations' knowledge and intellectual capital
- i. Prepare documents for technical projects pertaining to administered systems and related components, work with Subject Matter Experts (SMEs) to ensure requirements are accurate, and correct

**C.5.7 TASK 7 - PROVIDE EXERCISE AND DEMONSTRATION SUPPORT AND SUPPORTING DOCUMENTATION**

The contractor shall provide on-site, full life-cycle management for a wide range of independent exercises and demonstration activities and for major elements of assigned systems associated with assigned programs, including software; interoperability with various Command, Control, and Communications (C3) systems; technical or operational testing; planning for continuous improvement; forecasting obsolescence, sustainment and refreshment of capabilities; identifying risks, analyzing and providing mitigation strategies; tracking/ensuring compliance with the Life Cycle Sustainment Plan (LCSP); actively coordinating with stakeholders to ensure needs of the Warfighter are being met through adequate training and fielding activities. The contractor shall generate documentation to support these exercises and demonstrations. The contractor shall provide technical and deployment support for PL Net E scheduled exercises and demonstrations. The contractor shall provide an After Action Report within 10 calendar days after completion of the exercise or experiment in accordance with a Scientific and Technical Report.

The contractor shall:

- a. Provide recommendations of the design, development, modification, integration, test of system hardware and software to achieve required operational and functional requirements based on findings at the various exercises and/or demonstrations.
- b. Based on the results of exercises and demonstrations the contractor shall review, analyze, evaluate and report to the Government on program performance.
- c. Evaluate alternatives and recommend solutions.
- d. Conduct periodic inspections and site visits of production facilities and conduct in-process reviews with all stakeholders.
- e. Provide telephonic engineering support for all TNIC developed products to PM FSRs and Unit S6 personnel during Combat Training Exercises, home station Mission Readiness Exercises, and during Unit deployments,

**Examples of Recurring Exercises and Experiments follow:**

- a. Joint Readiness Training Center (JRTC) Rotation
- b. Nation Training Center Rotation

**C.5.7.1 SUBTASK 1 – PROVIDE TESTING SERVICES**

The contractor shall provide testing services. This shall include reviewing and providing comments to all test plans, procedures, and reports. Test support shall include to the following tasks:

- a. Report to the Government Task Leader (GTL), the adequacy of the test procedures for testing the requirement it is intended to validate.
- b. Report to the GTL all such tests that analyze the extent to which all system requirements have been validated.
- c. Provide test support to the IPT. Tests supported shall include: factory acceptance tests, throughput timing and stability tests, production acceptance tests; site acceptance tests; site interface tests (this includes mini-switch tests); system evaluation tests; operational

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test and evaluation; prepare and conduct formal regression testing; system reliability and maintainability tests; and system shakedown tests.

- d. Review test scenarios; review test plans and procedures and provide comments; witness tests; review and analyze test data; review, prioritize, and categorize program trouble reports (PTR) and system change requests (SCR); review and provide comments on test reports; participate in test readiness reviews, test preparedness reviews, baseline design reviews, in progress reviews, test review board meetings, and problem resolution board meetings and other test related meetings.

### **C.5.7.2 SUBTASK 2 - PROVIDE TEST ENGINEERING SUPPORT**

The contractor shall provide test engineering support to include the following services:

- a. Review and evaluate master test plans
- b. Provide engineering support to the Test Readiness Review (TRR)
- c. Provide Functional Qualification Test (FQT) support, to include:
  - 1. Review the FQT Plan and Procedures
  - 2. Support the execution of the FQT
  - 3. Review the FQT report and verify conclusions
- d. Provide Site Acceptance Test (SAT) support, to include:
  - 1. Review the SAT Plan and Procedures
  - 2. Support the execution of SAT tests
  - 3. Review the final reports and verify conclusions
- e. Resolution of Test Issues
  - 1. Coordinate among the members of the Test IPT other groups to resolve test plan and procedure issues
  - 2. Provide support during OT&E timeframe to determine existing issues are resolved
- f. Factory Testing
  - 1. Support the requiring activity at the Technical Interchange Meetings (TIM), Test Readiness Reviews (TRR), Test Preparedness Reviews (TPR), and other such meetings held at both government and program contractor facilities
  - 2. Provide test witnesses and monitors during the conduct of the testing
  - 3. Review the program contractors' test reports and, as a minimum, analyze and report to the GTL onsite any problem areas revealed during testing and recommend a course of action to correct such problems

### **C.5.7.3 SUBTASK 3 - PROVIDE OPERATIONAL TEST AND EVALUATION SERVICES**

The contractor shall provide Operational Test and Evaluation (OT&E) service to include the following:

- a. Review and assess the program contractor's OT&E activities including risk analysis and performance analysis of the proposed Planned Product Improvement (PPI) designs.
- b. Review, analyze, and recommend changes to all test plans and procedures.
- c. Fully assess reconfiguration capabilities of the system and integrate reconfiguration procedure changes into the OT&E Plans.

### **C.5.7.4 SUBTASK 4 - PROVIDE INTEGRATION AND ACCEPTANCE TESTING**

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The contractor shall provide Integration and Acceptance Testing services to include the following:

- a. Review controls that ensure the integration acceptance test schedule is followed.
- b. Review plans for recovery from test failures
- c. Review engineering and design change information flows
- d. Review configuration management implementations

The contractor shall also provide system testing support services to include reviewing and commenting on the controls that guarantee the program contractors' test schedule(s). The contractor shall observe and evaluate testing and ensure findings are incorporated in follow on tests.

### **C.5.8 TASK 8 – PROVIDE LOGISTICAL/ FIELD SUPPORT, PRODUCT ENHANCEMENT AND NEW EQUIPMENT TRAINING, and TRAINING SUPPORT**

The contractor shall provide support to PL Net E to coordinate and assist in the management and scheduling of New Equipment Training (NET), fielding of equipment, unit exercises, test and integration events, and Instructor/Key Personnel Training (IKPT) Field Support personnel training under this task.

The contractor shall provide the coordination and management of field support services with regards to training center rotations, field exercises and events as scheduled for CONUS and OCONUS deployments based on the individual units training and rotation schedules. These services shall include the following:

- a. Investigate, define, assess, and correct equipment/system technical and/or operational problems experienced at test or field operational sites
- b. Provide liaison support services to Training and Doctrine Command (TRADOC) System Manager (TSM) offices at Fort Gordon or other locations
- c. Provide technical, training and maintenance support to Army units during Combined Training center rotation(s), Field Exercise(s) and other training events
- d. Provide system set-up and troubleshooting

The contractor shall support the rapid integration of materials and training in support of software upgrades affecting applicable version releases.

The contractor shall use their software, integration, knowledge of Army tactical networks, and networking devices to teach the full Program of Instruction (POI) for the equipment being supported. The contractor shall assist fielders to prepare for deployment in accordance with the Army Regulations governing deployment of contractor personnel, specifically AR 715-9. Potential deployed locations are listed at Section F.4.

The contractor shall perform the following under this task:

- a. Rapidly generate and provide contingency ADAM.LDIFs (in the field if needed) and other associated products required for immediate and/or unforeseen operational requirements.
- b. Manage the scheduling and development of the theater wide Afghanistan Interface Control Document (ICD) used to produce FBCB2 6.5 Data products in Operation Enduring Freedom (OEF).



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- c. Maintain and update, as needed, the Training Support Plans (TSP) required to support all current PL Net E training.
- d. Ensure all initialization files for customer units are properly integrated into the Blue Force Tracker Global Network-Network Operations Center Command and Control Repository (BGN NOC C2R) and local C2R to ensure proper connectivity.
- e. Update the Government GTL and Alternate GTL on status via After Action Reports.
- f. Provide hardware and software engineering support at training and deployment sites.
- g. Hold a weekly Scheduling teleconference to ensure all PL Net E missions are being supported, to include but not limited to Battle Command System of System events, Joint training center rotations, Fielding Conferences, and Synch Conferences.
- h. Coordinate and act as liaison between customer and PL Net E requiring activity Operations to ensure various products are being delivered in accordance with Unit Set Fielding (USF), Total Army Analysis (TAA) guidelines, and/or future guidance from agencies with the Department of the Army.
- i. Provide operators with specialized advice and consultation.
- j. Provide complex data products using initialization tools such as the Automated Initialization Manager (AIM), Initialization Tool Suite (ITS) and/or future initialization tools
- k. Provide analysis and develop solutions in fielding data products, initialization tools or applications supporting initialization and/or C4ISR systems or applications
- l. Provide solutions for data product issues specifically Active Directory Application Mode(ADAM)/Lightweight Directory Access Protocol (LDAP) Data Interchange format files(LDIF) (ADAM/LDIF) and boot.LDIFs) at the unit level

The contractor shall recommend and provide methods and solutions to measure and improve performance and quality of data products, unit support, and/or increase efficiency for field support. The Government anticipates that during the last two option years of the TO, there will be a surge in the fielding and training requirements that will require the contractor to provide a specialized team of personnel under this task to implement these additional fielding requirements.